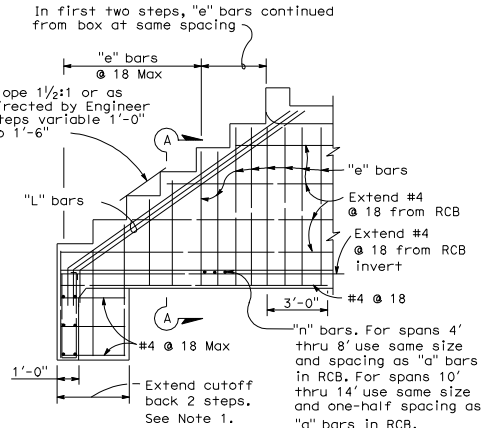
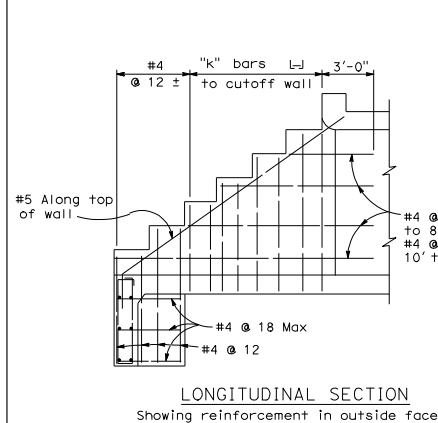


LONGITUDINAL SECTION
Showing reinforcement in outside face

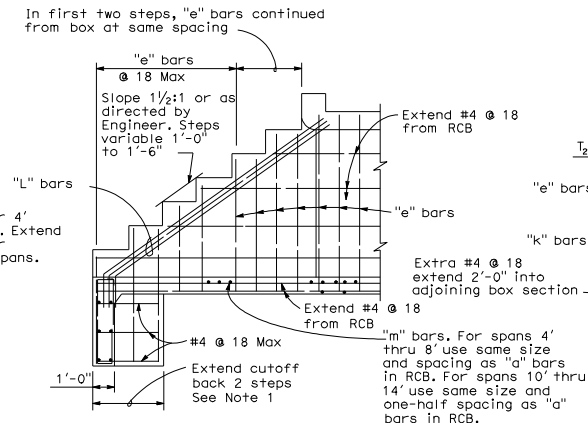


LONGITUDINAL SECTION
Showing reinforcement in inside face

TYPE "E" STEPPED WINGWALL (SINGLE BOX CULVERT)

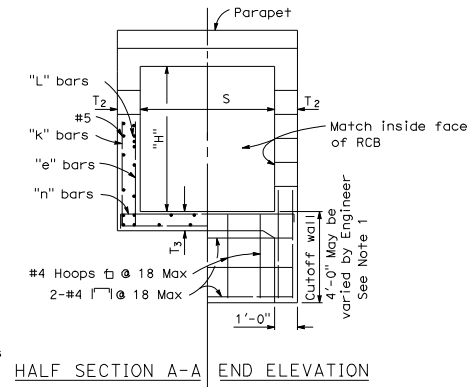


LONGITUDINAL SECTION
Showing reinforcement in outside face



LONGITUDINAL SECTION
Showing reinforcement in inside face

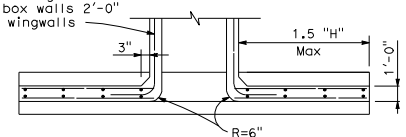
TYPE "E" STEPPED WINGWALL (MULTIPLE BOX CULVERT)



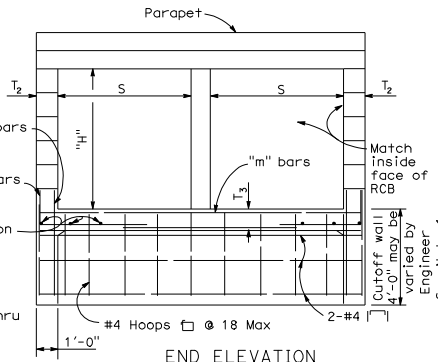
HALF SECTION A-A END ELEVATION

Dimensions S and T₂ to be same as adjacent RCB.
T₂ = Same as adjacent RCB (8" Min).

Extend all longitudinal bars in box walls 2'-0" into wingwalls

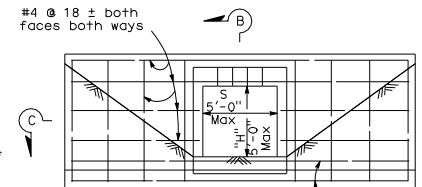


SECTION B-B
SECTION C-C



END ELEVATION

Dimensions S and T₂ to be same as adjacent RCB.
T₂ = Same as adjacent RCB (8" Min).



ELEVATION
TYPE "D" STRAIGHT WINGWALL

Details similar for multiple span boxes.
For Parapet Details not shown see Standard Plan D82.

NOTES:

1. Eliminate cutoff walls if adjacent channel is paved.
2. For "H" not shown use reinforcement for next greater height.

TABLE OF REINFORCEMENT FOR TYPE "E" WINGWALLS										
"H" (See Note 2)	3'	4'	5'	6'	7'	8'	10'	12'	14'	
"k" Bar No.	#4	#4	#5	#5	#5	#5	#5	#5	#5	
"k" Spacing	@ 12	@ 12	@ 12	@ 10	@ 9	@ 8	@ 7	@ 5	@ 4	
"L" Bar No.	#5	#5	#6	#6	#7	#7	#7	#7	#7	
"L" Number each wall	2	2	3	3	3	3	3	3	3	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**BOX CULVERT WINGWALLS
TYPES D AND E**

NO SCALE

D85